

DESCRIPTION

Radiant Communications ABX300 Series is capable of transmitting up to 4 real-time 18-Bit audio signals over one fiber for distances of 100+ km on singlemode fiber, and up to 5 km on multimode fiber. The ABX300 Series multiplexer can be ordered with 4 audio channels, depending on your application. Like all Radiant Communications transmission systems, no adjustments are required at time of installation or anytime thereafter.

ABX300 Series Long Haul Audio Multiplexer

BENEFITS

- Up to four real-time 18-Bit Audio Signals
- Plug and Play operation

FEATURES

- Simultaneous Real-Time Audio Over One Fiber
- Multimode Distances up to 5 km
- Singlemode Distances up to 100+ km
- Balanced or Unbalanced 600 Ohm
- Diagnostic Indicators



**Radiant
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2/2005

▶ ABX300 Long Haul Audio Multiplexer

SPECIFICATIONS

Audio

Audio Bandwidth: 20 Hz to 20 kHz
SNR: 66 db
THD: <1%
I/O Level: 600 Ohms

Connector:
Electical RJ11 (One per Channel)

Optical

Wavelength: 850nm, 1310nm, 1550nm, CWDM, DWDM
Number of Fibers: 1
Optical Connector: SC/APC, SC, ST, FC, FC/APC

General Characteristics

Power: 1.5 Amp @ 5VDC
Operating Temperature: 0° to 50° C
Storage Temperature: -40° to 85° C

Size: rackmount 17.0" W x 13.0" D x 1.75" H

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ATTENUATION	MAX DISTANCES
ABX300M-T4-XY8	4 Channel Audio Transmitter, 1 Fiber, MM 850nm	13 dB	0-3 km
ABX300M-R4-XY8	4 Channel Audio Receiver, 1 Fiber, MM 850nm	13 dB	0-3 km
ABX300S-T4-XY3	4 Channel Audio Transmitter, 1 Fiber, SM 1310nm	18 dB	0-50 km
ABX300S-R4-XY3	4 Channel Audio Receiver, 1 Fiber, SM 1310nm	18 dB	0-50 km

Note:

- Specify X—packaging of the unit: U—IU rack mount, M—modular (standalone) mount
- Specify Y—connector type: A—SC/APC, E—SC, B—FC, Z—FC/APC, D-ST
- For higher optical budgets and distances, CWDM and DWDM systems, contact factory
- Due to product enhancements, specifications subject to change without notice



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